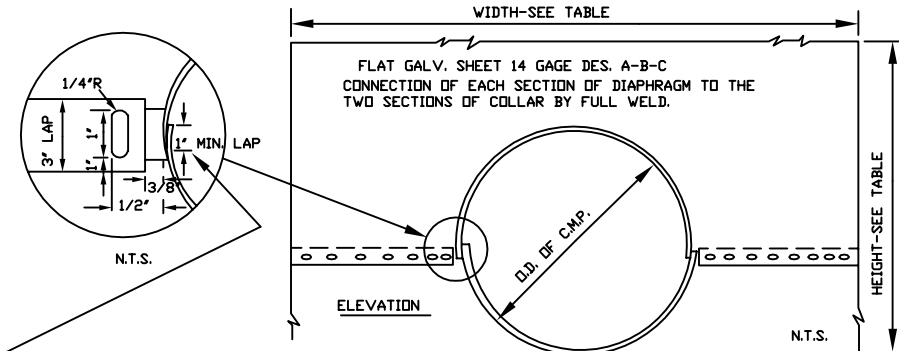
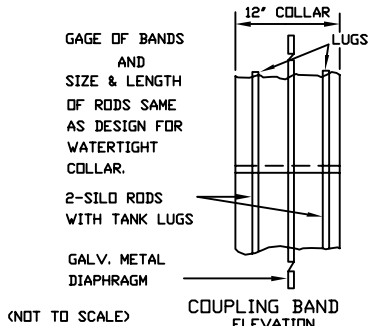


# DESIGN FOR METAL DIAPHRAGM WITH COLLAR



1. PROVIDE MATCH FOR YOKE OF OPPOSING SECTION.
2. DURING ASSEMBLY FILL IN OPEN AREA WITH BURLAP IMPREGNATED WITH ASPHALT CEMENT TO MAKE WATERTIGHT.
3. DIAPHRAGM TO BE LOCATED AT OTHER THAN CULVERT JOINTS.
4. 1/2"x1" SLOTTED HOLES FOR 3/8"x1" BOLTS IN ONE HALF (UPPER OR LOWER) OF DIAPHRAGM ONLY. USE 1/2" HOLES IN OTHER MATCHING HALF.
5. ALL BOLTS-NUTS-RIVETS AND WASHERS SHALL BE GALVANIZED, CADMIUM PLATED OR STAINLESS STEEL.
6. LAP OF THE 2'-3" PIECES IN DESIGN A AND C TO BE WITH EITHER 3/8"x1-3/4" RIVETS OR WITH 3/8"x1" BOLTS OR BY STITCH WELD ALL ON 6" CENTERS. PAINT FACING SURFACES OF LAPS WITH ASPHALT CEMENT BEFORE SHOP ASSEMBLY.
7. AFTER WELDING, DAMAGED ZINC COATING SHALL BE REPAIRED BY THOROUGHLY CLEANING ON BOTH SIDES OF THE METAL AND PAINTING WITH 2 COATS ZINC OXIDEZINC DUST PAINT.
8. IF STIFFENER REQUIRED USE 2"x4" BOARD.

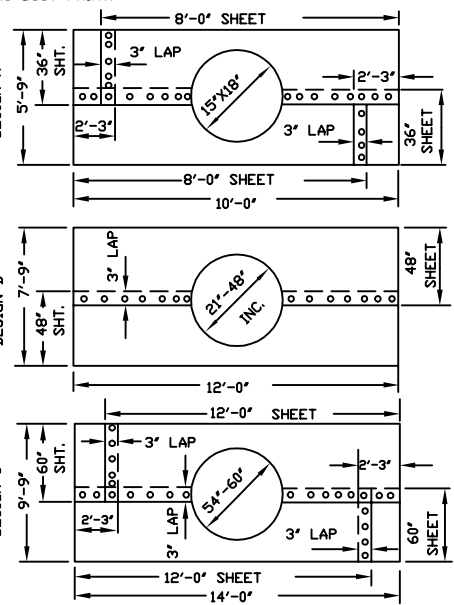


(NOT TO SCALE)

DIMENSIONS FOR DIAPHRAGM

GAGE SHEET	PIPE DIA. IN.	WIDTH FT.-IN.	HEIGHT FT.-IN.
14	15	10-0	5-9
14	18	10-0	5-9
14	21	12-0	7-9
14	24	12-0	7-9
14	30	12-0	7-9
14	36	12-0	7-9
14	42	12-0	7-9
14	48	12-0	7-9
14	54	14-0	9-9
14	60	14-0	9-9

SHEET LAYOUT FOR DIAPHRAGMS



STANDARD DRAWING NO.: RTSC-NE-ENG-630-CAD  
APPROVAL DATE: 1972

REVISIONS:

No.	Description

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Designed	Date	Approved by
Drawn		Title DISTRICT CONSERVATIONIST
Traced		
Checked		

Sheet	Drawing No.
No.	
of	